

Title (en)

A method of connecting a branch pipe with a mains pipe or manhole and a drilling device for forming the connecting aperture

Title (de)

Verfahren zum Herstellen seitlicher Abzweigungen von Kanalrohren oder Schachtelementen und Bohrwerkzeug zum Herstellen der Anschlussöffnung

Title (fr)

Méthode de connexion d'un tuyau de branchement avec un tuyau principal ou trou d'homme ainsi qu'un outil de perçage pour former l'ouverture de connexion

Publication

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Application

**EP 99101449 A 19990127**

Priority

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Abstract (en)

In a method for connecting a pipeline (30) with a pipe (2), preferably consisting of concrete and for example constituting a manhole, the pipeline having a smaller diameter than the pipe, the wall (6) of the pipe is provided with a through connection opening (8), and the pipeline is connected with the connection opening by means of a connection element (32) while sealing the pipeline in relation to the wall of the pipe. The wall (6) of the pipe (2) is at the connection opening (8) provided with an annular, substantially flat connection surface (12; 14) which is substantially parallel with the axis of the pipe, and the connection element (32) is connected with this connection surface. The invention relates also to a device in the form of a drill for providing the wall (6) of the pipe (2) with said connection opening (8) when the method according to the invention is performed. <IMAGE>

IPC 1-7

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IPC 8 full level

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Citation (search report)

- [X] NL 9001344 A 19920102 - NIJMEEGSE BETONINDUSTRIE DE HA
- [X] DE 3639107 A1 19880519 - BAUER EGON ALBERT JOSEF ING GR [DE]
- [X] DE 2741128 B1 19781012 - KLOECKNER WERKE AG
- [X] BE 789323 Q 19730115 - SCALES MANUFACTURING CORP
- [X] DE 4131398 A1 19920326 - DRAKA POLVA BV [NL]
- [A] US 3340337 A 19670905 - SCHULZE HERBERT C

Cited by

CN100363686C; EP3462072A1; FR3071582A1; WO0240910A1

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